

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P766841

Luminaire Tested: LD6D45BD010-EU6DR6040509024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P766841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D45BD010-EU6DR6040509024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4213.9 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

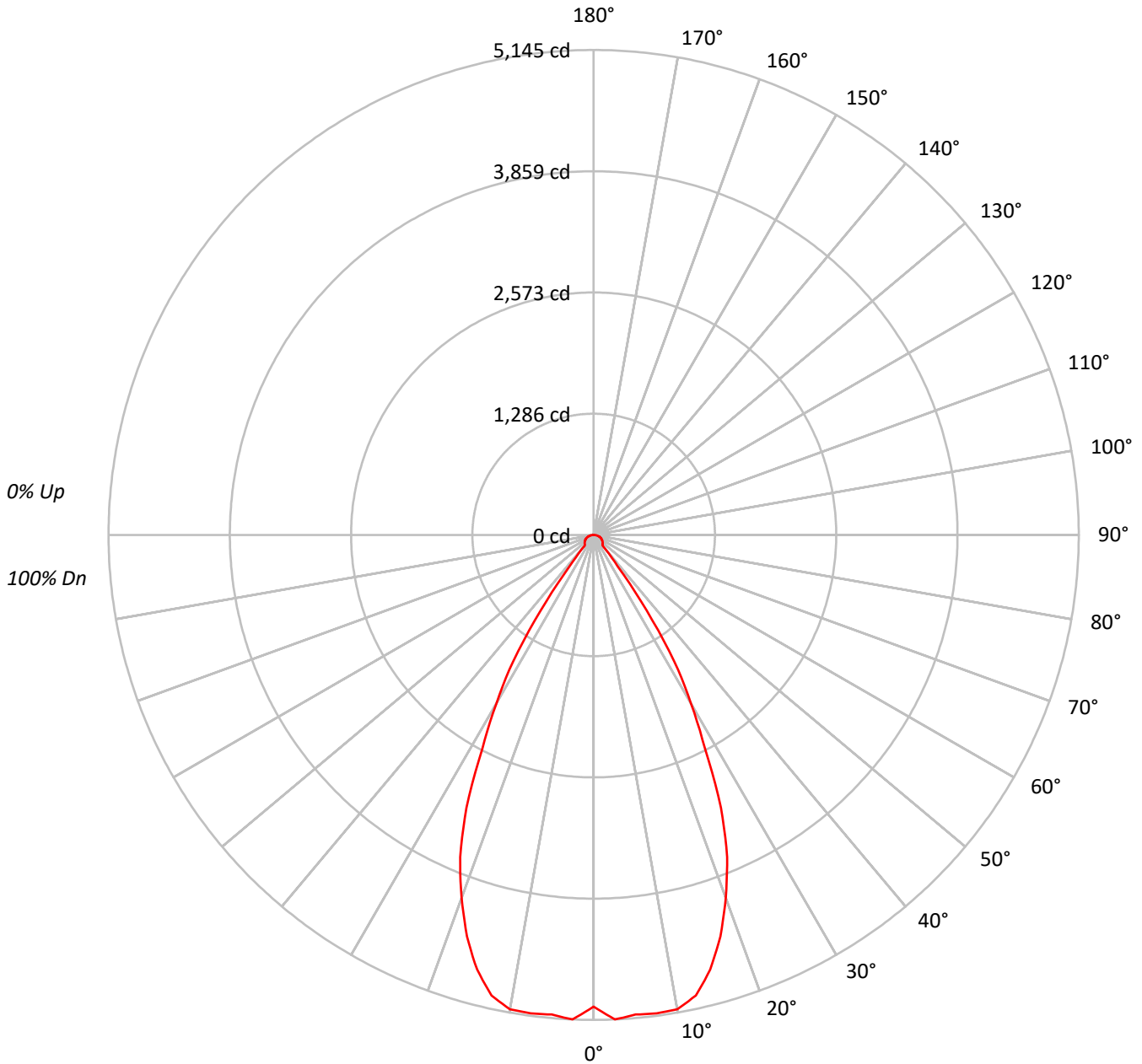
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	546795
5°	560247
10°	567013
15°	540158
20°	476254
25°	385200
30°	260553
35°	130568
40°	21181
45°	20736
50°	21145
55°	21468
60°	22049
65°	22570
70°	23097
75°	23387
80°	22526
85°	18804

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 23387 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.2	11.6
10°-20°	1320.9	31.3
20°-30°	1421.1	33.7
30°-40°	617.7	14.7
40°-50°	103.8	2.5
50°-60°	100.9	2.4
60°-70°	86.3	2.0
70°-80°	57.7	1.4
80°-90°	17.3	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3230.2	76.7
0°-40°	3848.0	91.3
0°-60°	4052.6	96.2
0°-90°	4213.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4213.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5004	
5°	5108	488
15°	4775	1321
25°	3195	1421
35°	979	618
45°	134	104
55°	113	101
65°	87	86
75°	55	58
85°	15	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5004.5
2.5°	5145.2
5°	5108.1
7.5°	5119.8
10°	5110.7
12.5°	5005.2
15°	4775.3
17.5°	4466.5
20°	4096.0
22.5°	3699.3
25°	3195.2
27.5°	2555.7
30°	2065.2
32.5°	1591.8
35°	978.9
37.5°	418.8
40°	148.5
42.5°	136.8
45°	134.2
47.5°	129.6
50°	124.4
52.5°	118.5
55°	112.7
57.5°	106.8
60°	100.9
62.5°	94.4
65°	87.3
67.5°	80.1
70°	72.3
72.5°	63.8
75°	55.4
77.5°	45.6
80°	35.8
82.5°	25.4
85°	15.0
87.5°	5.2
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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